



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/647,586 A
Source: 1FW/6
Date Processed by STIC: 2/17/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/647,586A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220>
→ Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/647,586A

DATE: 02/17/2004
 TIME: 12:28:59

Input Set : A:\RDID 0063.ST25.txt
 Output Set: N:\CRF4\02172004\I647586A.raw

```

3 <110> APPLICANT: Kitas, Eric
4      Schlaeger, Ernst-Jurgen
6 <120> TITLE OF INVENTION: NEW COMPOUNDS FOR DNA TRANSFECTION
8 <130> FILE REFERENCE: RDID 0063
10 <140> CURRENT APPLICATION NUMBER: 09/647,586A
11 <141> CURRENT FILING DATE: 2000-12-22
13 <150> PRIOR APPLICATION NUMBER: PCT/EP99/02361
14 <151> PRIOR FILING DATE: 1999-04-07
16 <150> PRIOR APPLICATION NUMBER: EP 98124837.0
17 <151> PRIOR FILING DATE: 1998-12-30
19 <150> PRIOR APPLICATION NUMBER: EP 98106302.7
20 <151> PRIOR FILING DATE: 1998-04-07
22 <160> NUMBER OF SEQ ID NOS: 3
24 <170> SOFTWARE: PatentIn version 3.2
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 25
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Artificial
34 <400> SEQUENCE: 1
36 Gln Gln Arg Lys Arg Lys Ile Trp Ser Ile Leu Ala Pro Leu Gly Thr
37 1           5           10          15
40 Thr Leu Val Lys Leu Val Ala Gly Ile
41           20          25
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 26
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Artificial
52 <400> SEQUENCE: 2
54 Gln Gln Arg Lys Arg Lys Ile Trp Ser Ile Leu Ala Pro Leu Gly Thr
55 1           5           10          15
58 Thr Leu Val Lys Leu Val Ala Gly Ile Cys
59           20          25
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 7
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Artificial
70 <400> SEQUENCE: 3

```

Does Not Comply
 Corrected Diskette Needed

insufficient explanation - give source of
 genetic material
 (see item 11 on
 Error Summary
 Sheet)

same error

same

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/647,586A

DATE: 02/17/2004
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Input Set : A:\RDID 0063.ST25.txt
Output Set: N:\CRF4\02172004\I647586A.raw

72 Arg Cys Gln Lys Ser Thr Trp
73 1 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/647,586A

DATE: 02/17/2004
TIME: 12:29:00

Input Set : A:\RDID 0063.ST25.txt
Output Set: N:\CRF4\02172004\I647586A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3

VERIFICATION SUMMARY

PATENT APPLICATION: **US/09/647,586A**

DATE: 02/17/2004

TIME: 12:29:00

Input Set : **A:\RDID 0063.ST25.txt**

Output Set: **N:\CRF4\02172004\I647586A.raw**